

CLAIMS

1. A lens adapter to be mounted on a collapsible lens-type camera with a lens barrel moving between a projection position
5 projected to a front of a case and a housing position housed within the case, the lens adapter characterized by comprising:

an attachment section to be mounted on the case in a detachable manner; and

10 a lens barrel housing section provided at the attachment section for housing the lens barrel,

wherein the lens barrel housing section includes a cylindrical wall section covering the lens barrel and an opening provided at a front end of the cylindrical wall section so as to expose a front end of the lens barrel,

15 wherein the cylindrical wall section is formed of an internal diameter and length such that the lens barrel positioned at the projection position is covered and,

20 wherein with a female screw for attaching optical components such as a filter and a conversion lens etc. is formed at the opening.

2. The lens adapter according to claim 1 characterized in that:

the attachment section includes a first member and a
25 second member swingably engaging with each other in a detachable manner, the first member having a front wall that comes into contact with a portion of a front surface of the case nearer the lens barrel, and the second member having a rear wall that comes into contact with a rear surface of the
30 case;

attachment of the attachment section on the case is achieved by making the first member and the second member connect in a state that the case is sandwiched with the front wall and the rear wall in a direction from front to rear; and

5 the lens barrel housing section is provided on the first member.

3. The lens adapter according to claim 1 characterized in that:

10 the attachment section includes a first member and a second member swingably engaging with each other in a detachable manner, the first member having a first cylindrical wall formed in a semi-cylindrical shape, which forms a portion of the cylindrical wall section and the second member having

15 a second cylindrical wall formed in a semi-cylindrical shape, which forms a remaining portion of the cylindrical wall section; and

 the cylindrical wall section is formed with the first cylindrical wall and the second cylindrical wall.

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4. The lens adapter according to claim 1 characterized in that:

 the attachment section includes a first member and a second member swingably engaging with each other in a detachable manner, the first member having a front wall coming into contact with a portion of a front surface nearer a lens barrel of the case and having a first cylindrical wall projecting from the front wall in a semi-cylindrical shape to form a portion of the cylindrical wall section and being

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30 provided with the opening and the second member having a front wall coming into contact with a portion other than a portion

contacted by a front wall of the first member on a front surface nearer a lens barrel of the case and a second cylindrical wall projecting from the front wall in a semi-cylindrical shape to form a remaining portion of the cylindrical wall section;

5 and

the lens barrel housing section is formed with the first cylindrical wall and the second cylindrical wall.

5. A lens adapter according to claim 2 characterized in
10 that the first member and the second member have a side wall respectively which comes into contact with a side surface of the case.

6. A lens adapter according to claim 4 characterized in
15 that the first member have a side wall coming into contact with a side surface of the case.

7. The lens adapter according to claim 1 characterized in that the collapsible lens-type camera have a finder
20 apparatus formed with an optic system separately from the lens barrel,

wherein the finder apparatus have an eyepiece window for viewing an image of a subject and is provided with opening and closing member for opening and closing the eyepiece window
25 at a portion where the attachment section faces the eyepiece window.

8. The lens adapter according to claim 1 characterized in that the collapsible lens-type camera has a finder apparatus
30 with a finder lens and is provided with opening and closing

member for opening and closing the finder lens at a portion where the attachment section faces the finder lens.

9. The lens adapter according to claim 1 characterized
5 in that both the attachment section and the lens barrel housing section are made from a synthetic resin having rigidity.

10. The lens adapter according to claim 1 characterized in that:

10 both the attachment section and the lens barrel housing section are made from a synthetic resin having rigidity;
a metallic ring is embedded and fixed at a front end of the cylindrical wall section;

15 the opening is formed on an inside of an inner peripheral surface of the ring; and

the female screw is formed on an inner peripheral surface of the ring.

11. The lens adapter according to claim 1 characterized
20 in that the lens barrel housing section is formed of a material that blocks out light.

12. The lens adapter according to claim 1 characterized in that a female screw for tripod attachment is formed in the
25 case, a screw insertion hole is formed at a portion of the attachment section facing the female screw for tripod attachment in a state that the attachment section is attached to the case, and the lens adapter is configured in such a way that the insertion section is fixed on the case by screwing
30 an attachment screw into the female screw for tripod attachment via the screw insertion hole.

13. The lens adapter according to claim 1 characterized
in that the female screw for tripod attachment is provided
at a portion that the insertion section faces a lower surface
5 of a case.

14. The lens adapter according to claim 1 characterized
in that various switch, in use for photographing, such as a
shutter switch, a zoom operation switch and the like is provided
10 and the switch is located at the outer side of the insertion
section and exposed outside in a state that the insertion
section is attached on the case.